No 3.

From D. 5154

to D. 5215.

Dep't of Commerce and Labor
BUREAU OF FISHERIES
AUG 1908
Steamer Albatross

Nect Hydr No 4909

OK Pl

Dredge / ~~Hydrog.~~ No. 2154 Date, Feb 19, 1925

Sdg. Mch. Tanner Reel T.M. ~~Shot~~ / Lead 8 lbs.

Turns 12 Cor'n — Depth 12 fms.

Sdg. Cup tallow on lead Amt. Bot'm Sample plenty

Character of Bottom Co.S.

Thermom. Make none used / No. Cor'n Instr. / Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 81° Time 10.25 / 81° Time Air 85° / 88°

Density: Surf. 1.02437 fms.

Wind: Direction N.x.W. Force 2

Baromet. 29.74 Amt. of Clouds 5 State of Sea 2

Weather Lc.

Direction and Force of Current. Surface / Bottom

Tide

Baker Pt. S 11° W 0.7 mi.

General Locality Pt. off Kanbankanui Id 242° W
Similan Ids. (E) N 39 W.

Position 9° 14' 50" N., 119° 58' 45" E.

Chart used: No. 1852 H.O. Ed'n

Drift: Direction S 42° W Distance .3 mi.

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz M.R., 2 trimming weights, 1 tail weight, 5 glass floats, 1 chain, 1 mud bag.

Time towing h. 15 m.

Remarks: Net was on bottom from time 20 fath was out.

Deck Officer M. Hazard Recorder C.D. Long

11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
10	22	50	10	28	25	0	10	26	20	10	42	80
10	23	05	10	28	10	12 ~~100~~ 20	10	27	40			
						~~200~~ 30	10	35	20	10	40	40
						300						
						400						
						500						
						600						
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						4800						
						4900						

OK. Pl.

Dredge / Hydrog. No. 5156 Date, Sept 21, 1908

Sdg. Mch. Tanner Reel TN Shot / Lead 10 lbs.

Turns 18 Cor'n Depth 18 fms.

Sdg. Cup Yellow w/ lead Amt. Bot'm Sample about 2 oz

Character of Bottom Gn ssw & shells

Thermom. { Make — / No. — } Cor'n { Instr. — / Stem. — }

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 79° Time 8:28 AM / 79 Time 8:45 " } Air { 79° / 79° }

Density: Surf. 1.02422 fms.

Wind: Direction N.E. Force 1

Baromet. 29.69 Amt. of Clouds 7 State of Sea S

Weather Oc

Direction and Force of Current. { Surface / Bottom }

Tide

Tinakta Id (N) S 76° W. 3.4 mi.

General Locality Sulu Sea

Kabankaman Id Tow (W) N 24° E Bakun Pt N 64° E

Position 5°-12'-50" N - 119°-55'-55" E

Chart used: No 2401852 Ed'n

Drift: Direction S 28 E Distance 750 yds

Depth of Haul bottom

Apparatus and Rig used 9' Albatross blake / tail wt / glass float, harrow attachment

Time towing — h. 2 m.

Remarks:

Deck Officer W. Mathers Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	Down.		Up.	A M.			A M.	Down.		Up.	A M.	
8	34	40	8	35	30	0	8	37	20	8	48	30
8	35	—	8	37	05	18 ~~100~~	8	39	—			
						~~200~~	8	43	30	8	45	10
						300						
						400						
						500						
						600						
						700						
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						900						
						1000						
						1100						
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OK PL

Dredge / Hydrog. No. 5158 Date, Feb 21, 1908

Sdg. Mch. Gasoline Reel JN Shot Lead 10 lbs.

Turns 12 Cor'n Depth 12 fms.

Sdg. Cup Yellow w/lead Amt. Bot'm Sample about 2 oz.

Character of Bottom Shell & coarse sand

Thermom. Make None Cor'n Instr.

No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 79° Time 9:25 A.M. Air 80°

79° Time 9:32 " 80

Density: Surf. 1.02472 fms.

Wind: Direction N.E. Force 1-2

Baromet. 29.72 Amt. of Clouds 7 State of Sea 8

Weather Very

Direction and Force of Current. Surface

Bottom

Tide

General Locality Sulu Sea 4.9 mi.

Tmakita Id (V) N 89° W Brown Islet (W) N 20° W

Position 5°-12'-00" N - 119°-54'-30" E

Chart used: No. H.O. 1852 Ed'n

Drift: Direction N 80° W Distance 250 yds.

Depth of Haul Bottom

Apparatus and Rig used 9' albatross block, 1 tail out, 1 glass float with harrow attachment

Time towing — h. 5 m.

Remarks: Net first let out to 20 fms towing - 2 mis. let out 10 fms more towing 1 mile

Deck Officer Wm. Wetter Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
Ac M.		Down.	Up.		Ac M.		Ac M.		Down.	Up.		Ac M.
9	21	—	9	21	30	0	9	24	10	9	34	10
9	21	10	9	21	10	12	9	25	20			
						200	9	28	20	9	32	40
						300						
						400						
						500						
						600						
						700						
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Dredge / Hydrog. No. 516 Date, Feb. 19 08

Sdg. Mch. T. H. Reel T. N. ~~Short~~ Lead 10 lbs.

Turns 12 Cor'n — Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom C.

Thermom. Make / No. None Cor'n Instr. / Stem.

Bottom Reading — Cor'd Temp. —

Temp. Surf. 85 Time 8:34 Time Air 85

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 29.72 Amt. of Clouds 5 State of Sea S

Weather

Direction and Force of Current: Surface / Bottom

Tide

General Locality Sulu Sea

Position 5°12'45" N — 119°25'0" E.

Chart used: No. HO 1852 Ed'n ?

Drift: Direction S 30° W Distance 300 yds.

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
H.	M. Down.	Up.	H. M.		H.	M. Down.	Up.	H. M.
8	26 25	8	26 45	0	8	28 00	[illegible]	[illegible]
8	26 30	8	26 20	12 100 20	8	29 00	[illegible]	[illegible]
				200				
				300				
				400				
				500				
				600				
				700				
				800				
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OK. PL

~~Dredge~~ Hydrog. No. 4906 (2). Date, 22 Feb., 1908.

Sdg. Mch. [illegible] Reel [illegible] Shot ~~Hauled~~ [illegible] lbs.

Turns [illegible] Cor'n — Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom S. Bm. St.

Thermom. { Make [illegible] / No. 10802 } Cor'n { Instr. -.4 / Stem. -.3 }

Bottom Reading [illegible] Cor'd Temp. 63.5

Temp. Surf. { 82° Time 10:00 a.m. / Time } Air { [illegible] }

Density: Surf. [illegible] fms.

Wind: Direction [illegible] Force [illegible]

Baromet. Amt. of Clouds State of Sea

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide [illegible]

General Locality [illegible]

Position [illegible]

Chart used: No. CS 4514 Ed'n ?

Drift: Direction [illegible] Distance [illegible]

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

[illegible] Time towing [illegible] h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.			
M.	Down.		Up.	M.			M.	Down.	Up.	M.
9	50	00	9	50	00	0				
9	51	00	9	57	00	55 100				
						200				
						300				
						400				
						500				
						600				
						700				
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						4900				

Dredge / ~~Hydrog.~~ No. 5162 Date, [illegible], 1908

Sdg. Mch. [illegible] Reel [illegible] Shot / ~~Lead~~ [illegible] lbs.

Turns 730 Cor'n — Depth 730 fms.

Sd'g. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. -.4 / Stem. -.6 }

Bottom Reading [illegible] Cor'd Temp. 52.9

Temp. Surf. { 82° / 82° } Time 10:20 a.m. / Time 11:00 a.m. Air { 90° / [illegible] }

Density: Surf. 1.02447 [illegible] fms.

Wind: Direction [illegible] Force [illegible]

Baromet. 29.69 Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible].

Direction and Force of Current. { Surface [illegible] / Bottom [illegible] }

Tide [illegible]

[illegible] (?) N71°W [illegible]

General Locality [illegible]

[illegible] N88°E. [illegible]

Position 5°10'00"N. - 19°47'30"E.

Chart used: No. SC 4514 Ed'n [illegible]

Drift: Direction S 9°E Distance 0.4 m.

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing — h. 15 m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
10	09 00	10 18	15	0	10	18 25	11 00	10
	09 00	12 30		100		21 [illegible]	[illegible]	05
	10 00	11 50		200		[illegible]	53	00
10	10 25	10 11	25	220 300		[illegible]	17	50
				400	10	[illegible]	10 [illegible]	00
				500				
				600				
				700				
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				4900				

Dredge / Hydrog. } No. 5114 Date, June 24, 1908

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead } [illegible] lbs.

Turns 18 Cor'n — Depth 18 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom gray. Mu.

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. [illegible] / Stem. [illegible] }

Bottom Reading Cor'd. Temp. [illegible]

Temp. Surf. { 80° Time [illegible] / 80° Time [illegible] } Air { 89° / [illegible] }

Density: Surf. 1.02442 fms.

Wind: Direction N.W. Force 2

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather Clear

Direction and Force of Current. { Surface [illegible] / Bottom [illegible] }

Tide [illegible]

8 mi.

General Locality Sulu Sea

[illegible] 2.22 W, Sanguinesup 3 (E) 2 4 W

Position 5° 5' 0" N. 119° 50' 20" E.

Chart used: No. 4514 C. S. Ed'n

Drift: Direction N. 30° E. Distance 4 mi.

Depth of Haul Bottom

Apparatus and Rig used [illegible] Wire, Anderson. 1 glass float, 25# weight

Time towing h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
10	16	10	10	16	20	0	10	16	20			
						100	10	19	10			
						200	10	20	30	10	28	50
						300						
						400						
						500						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. [illegible] Date, [illegible] , 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns 98 Cor'n Depth 97 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make M.L. / No. 108023 } Cor'n { Instr. -.4 / Stem. -.2 }

Bottom Reading 70° Cor'd Temp. 69.4

Temp. Surf. { [illegible] / [illegible] } Time [illegible] / Time [illegible] } Air { [illegible] }

Density: Surf. 1.02644 [illegible] fms.

Wind: Direction N.N.W. Force 2

Baromet. 29.60 Amt. of Clouds 7 State of Sea 8

Weather Oc

Direction and Force of Current. { Surface / Bottom }

Tide [illegible]

General Locality [illegible]

Position [illegible]

Chart used: No. [illegible] Ed'n

Drift: Direction [illegible] Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing [illegible] h. [illegible] m.

Remarks: [illegible]

Stop carried away

Deck Officer [illegible] Recorder [illegible]

11—1024

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			4500			
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			4800			
			4900			

Dredge / Hydrog. No. 5168 Date, [illegible], 1908

Sdg. Mch. [illegible] Reel [illegible] Shot Lead 30 lbs.

Turns 80 Cor'n [illegible] Depth 80 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. [illegible] / Stem. [illegible] }

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { 79° Time 7:15 a / 79° Time 7:32 a } Air { 79° / 79½° }

Density: Surf. [illegible] fms.

Wind: Direction East Force 1

Baromet. [illegible] Amt. of Clouds 6 State of Sea [illegible]

Weather Fog

Direction and Force of Current. { Surface [illegible] / Bottom [illegible] }

Tide [illegible]

General Locality Sulu Sea

[illegible]

Position [illegible]

Chart used: No. [illegible] Ed'n [illegible]

Drift: Direction [illegible] Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing — h. 3 m.

Remarks: [illegible]

Deck Officer Mr. Mottin Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
[illegible] M.	Down.	Up.	[illegible] M.		[illegible] M.	Down.	Up.	[illegible] M.
7 [illegible]	[illegible]	11	00	0	7	14	15	7 22 [illegible]
7 [illegible]	15	10	00	80 100	7	17	30	7 28 [illegible]
				200	7	26	10	
				300	7	27	50	7 [illegible]
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
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Okpl

Dredge / Hydrog. No. [illegible] Date, [illegible] 37, 19[illegible]

Sdg. Mch. Lucas Reel Lucas Shot / Lead 85 lbs.

Turns 128 Cor'n none Depth 128 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. [illegible] Stem. [illegible]

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. 78° Time 11.12 / 79° Time 11.25 Air 80½° / 81°

Density: Surf. 1.02426 [illegible] fms.

Wind: Direction N.N.W. Force 2

Baromet. [illegible] Amt. of Clouds 3 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

General Locality Lulu Ia.

[illegible] (Hg. Pd.) N 47° E.

Position 4° 28'-00'N 119-19'-30"E.

Chart used: No. C.S. 4722 Ed'n [illegible]

Drift: Direction S 27 E. Distance .5

Depth of Haul bottom

Apparatus and Rig used [illegible] N.B.

[illegible]

Time towing [illegible] h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11-1933

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
Q M. Down.			Up.	Q M.			Q M. Down.			Up.	Q M.	
11	03	45	11	08	25	0	11	11	35	11	25	35
11	05	00	11	07	20	100	11	14	55			
11	05	40	11	07	00	1~~200~~ 210	11	16	50	11	18	30
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4600						
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						4800						
						4900						

Dredge Hydrog. No. 4712 Date, [illegible] 1933

Sdg. Mch. Lucas Reel Lucas Shot Load 3 lbs.

Turns 318 Cor'n — Depth 318 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make Sec Ins No. [illegible] Cor'n Instr. -.4 3 Stem. -.6 4

Bottom Reading 54° Cor'd Temp. 53.3

Temp. Surf. 82° Time 10.15 Air 84°

Temp. Surf. [illegible] Time [illegible] Air [illegible]

Density: Surf. 1.02447 ✓ 277 fms. 1.02496

Wind: Direction E.N.E. Force 2

Baromet. 29.7 Amt. of Clouds 8 State of Sea

Weather Sc

Direction and Force of Current. Surface Bottom

Tide [illegible] HD 1704

[illegible] .75

General Locality

Usado. Pt. (E) N 18° W [illegible] Pt. (S) 80° W.

Position 6°-03'-15" N 120° 35'-30" E

Chart used: No. C.S. 4722 Ed'n.

Drift: Direction N 47° W Distance 1 mi.

Depth of Haul —

Apparatus and Rig used [illegible]

Time towing h. 20 m.

Remarks: Tried sounding with Tinner machine & stopped at 277 fms (by turns) Had time 11.13 A.M. Temperature with Sec Ins 54°. [illegible]

Drum broken & not slight [illegible] on outside of drum.

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.				
M.	Down.		Up.		M.		M.	Down.		Up.	M.
10	02	50	10	02	10	0	10	14	[illegible]	11	[illegible]
10	04	00	10	05	30	100	10	[illegible]	[illegible]	[illegible]	[illegible]
10	05	00	10	07	55	200	10	22	05	[illegible]	[illegible]
10	05	50	10	07	10	300	10	25	[illegible]	[illegible]	[illegible]
10	06	05	10	06	55	400	[illegible]	[illegible]	[illegible]		
						500	10	30	30	10	[illegible]
						600					
						700					
						800					
						900					
						1000					
						1100					
						1200					
						1300					
						1400				5172	
						1500					
						1600					
						1700					
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						2000					
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						2800					
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						4700					
						4800					
						4900					

Dredge / Hydrog. No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns 26 Cor'n Depth 20 fms.

Sdg. Cup Brass Amt. Bot'm Sample 20 ([illegible])

Character of Bottom Cr, sv

Thermom. { Make / No. } Cor'n { Instr. / Stem. }

Bottom Reading Cor'd Temp.

Temp. Surf. { 62 Time [illegible] / Time } Air { [illegible]

Density: Surf. fms.

Wind: Direction N.E. Force 2

Baromet. 29.62 Amt. of Clouds 5 State of Sea 3

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide Jolo St. E, 2.6 mi.

General Locality Sulu Sea

[illegible] Campaper [illegible] 7

Position [illegible] N - 12[illegible] 37 00

Chart used: No. 4542 S Ed'n

Drift: Direction N 58° E Distance 4

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing — h. 6 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
3 25	3 [illegible]	[illegible]	0	3 [illegible]	3 57	[illegible]
3 [illegible]	3 25	[illegible]	100	3 [illegible]	3 57	[illegible]
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge / ~~Hydrog.~~ No. [illegible] Date, [illegible], 19..

Sd.g. Mch. [illegible] Reel [illegible] Shot / Lead lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sd.g. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] Cor'n Instr. [illegible]
No. [illegible] Stem. [illegible]

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. 79° Time 7 02 Air 80°
[illegible] Time 80°

Density: Surf. [illegible] fms. [illegible]

Wind: Direction E. NE. Force 3

Baromet. [illegible] Amt. of Clouds 6 State of Sea 2

Weather [illegible]

Direction and Force of Current. Surface [illegible]
Bottom [illegible]

Tide [illegible]

7 miles

General Locality [illegible]

Position [illegible]

Chart used: No. CS 4240 Ed'n [illegible]

Drift: Direction [illegible] Distance [illegible]

Depth of Haul Surface

Apparatus and Rig used 10' [illegible]

[illegible] Time towing [illegible] h. 21½ m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	DOWN.	UP.	M.
			0	7	11	9	21	30
			100				
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
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			4000				
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Dredge / Hydrog. No. Date, , 19

Sdg. Mch. Lucas Reel Lucas Shot / Lead 30 lbs.

Turns Cor'n Depth 78 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N L Cor'n Instr. Stem.

No. 108023

Bottom Reading Cor'd Temp.

Temp. Surf. 80 Time 8:45 A. Air

80° Time 9:15

Density: Surf. 1.02513 fms. 1.0 [illegible]

Wind: Direction Force

Barome. 29.88 Amt. of Clouds 5 State of Sea S

Weather

Direction and Force of Current. Surface Bottom

Tide

Pt Origny S 35° E - 23 mi.

General Locality

East of Tatoosh Is S 45 E. Pt N of [illegible] Pt S 41 W.

Position 12° 43' - 00 N 122° 06' - 15" E

Chart used: No. CS 4714 Ed'n

Drift: Direction N 84° W Distance 2.

Depth of Haul 78

Apparatus and Rig used

Plains

Time towing h. [illegible] m.

Remarks: [illegible]

Deck Officer Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
8	33	20	8	36	20	0	8	44	30		18	10
	34	30	8	35	30	78 100		45	50		14	40
						200		47	10		11	30
						300						
						400						
						500						
						600						
						700						
						800						
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Dredge / Hydrog. No. 5160 Date. 26 [illegible], 19[illegible]

Sdg. Mch. ..... Reel ..... Shot / Leads ..... lbs.

Turns ..... Cor'n ..... Depth ..... fms.

Sdg. Cup ..... Amt. Bot'm Sample

Character of Bottom

Thermom. { Make ..... No. ..... } Cor'n { Instr. ..... Stem. ..... }

Bottom Reading ..... Cor'd Temp. .....

Temp. Surf. { 80° Time 7:25 / 80° Time 7:50 } Air { 70° / 79° }

Density: Surf. 1.02530 ..... fms. .....

Wind: Direction NE Force 2

Baromet. 29.7[illegible] Amt. of Clouds 4 State of Sea [illegible]

Weather [illegible].

Direction and Force of Current. { Surface ..... Bottom ..... }

Tide

[illegible] NE 30'E. 7 knots

General Locality

[illegible]

Position [illegible]

Chart used: No. [illegible] Ed'n

Drift: Direction [illegible] Distance

Depth of Haul [illegible].

Apparatus and Rig used 10' [illegible]

[illegible]

Time towing [illegible] h. 2 m.

Remarks:

Deck Officer. [illegible] Recorder [illegible]

11—1924

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
				0	7	32	09	57 00
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
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				4300				
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				4800				
				4900				

Dredge Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot Lead [illegible] lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom fine S. M.

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. [illegible] / Stem. [illegible] }

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { 80° Time 9.45 / 80° Time 9.45 } Air

Density: Surf. 1.02515 [illegible] fms.

Wind: Direction N.N.E. Force 3-4

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide [illegible]

3.7 mi.

General Locality [illegible]

Position [illegible]

Chart used: No. C.S. 4474 Ed'n [illegible]

Drift: Direction [illegible] Distance [illegible]

Depth of Haul bottom

Apparatus and Rig used 9' Alb. [illegible]

Time towing [illegible] h. [illegible] m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M.	Down.	Up.	M.	M.	Down.		Up.		M.
[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			200						
			300	9	57	20	9	54	20
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
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			4700						
			4800						
			4900						

Dredge / Hydrog. No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns — Cor'n — Depth 96 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible] gr. M.

Thermom. { Make [illegible] / No. 108027 } Cor'n { Instr. -.3 / Stem. -.26 }

Bottom Reading [illegible] Cor'd Temp. 63.44

Temp. Surf. { [illegible] Time [illegible] / 81° Time 11:15 } Air { [illegible] }

Density: Surf. 1.02469 Bottom fms. 1.03551

Wind: Direction [illegible] Force [illegible]

Baromet. 29.76 Amt. of Clouds 4 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality

Position [illegible]

Chart used: No. 0244 16 Ed'n

Drift: Direction S 78° W Distance 7

Depth of Haul [illegible]

Apparatus and Rig used 12' Agassiz, [illegible]

Time towing h. m.

Remarks: water bottle [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.			Down.	Up.	A. M.		A. M.			Down.	Up.	A. M.
10	25	30	10	28	30	0	10	32	[illegible]	[illegible]	11	[illegible]
[illegible]	[illegible]	[illegible]	10	27	50	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27 30
						200				19		08
						300				[illegible]	11	02
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. [illegible] Date, [illegible] 19 [illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead 35 lbs.

Turns 565 Cor'n — Depth 565 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample 1 oz.

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. -.23 Stem. -.76

Bottom Reading 50.5 Cor'd. Temp. 49.86

Temp. Surf. 87° Time [illegible] Time [illegible] Air 72°

Density: Surf. 1.02489 " fms. 1.02505

Wind: Direction [illegible] Force [illegible]

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

11.25 mi.

General Locality [illegible]

Position 10°18'30" N - 122°23'30" E.

Chart used: No. [illegible] Ed'n [illegible]

Drift: Direction S 50° W Distance 2.0 m.

Depth of Haul Bottom.

Apparatus and Rig used [illegible]

Time towing — h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
1	03	55	1	0	1	18	00	0
	03	55	1	100		24	00	0
	04	55	2	200		28	30	0
	04	55	2	300		31	00	0
	05	55	2	400		34	20	0
	06	00	1	500		35	20	0
1	07	00	1	600		38	15	0
				700		41	10	0
				800		44	10	0
				900		47	20	0
				1000		50	00	1
				1100		53	10	2
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / Hydrog. No. ..... Date, ... , 19

Sdg. Mch. Lucas Reel ..... Shot / Lead 35 lbs.

Turns ..... Cor'n ..... Depth ..... fms.

Sdg. Cup ..... Amt. Bot'm Sample .....

Character of Bottom gsu m

Thermom. { Make H. J. / No. 108023 } Cor'n { Instr. -.23 / Stem. -.75 }

Bottom Reading ..... Cor'd Temp. 49.5

Temp. Surf. { 58° Time 4.52 / 59° Time 6.20 } Air { 81° }

Density: Surf. 1.02491 Bottom ..... fms. 1.02492

Wind: Direction ..... Force .....

Barometer. 29.69 Amt. of Clouds 10 State of Sea .....

Weather .....

Direction and Force of Current. { Surface / Bottom }

Tide .....

..... 6.25, 5 mi

General Locality Sio Pt S 65° E, ...
Pt S 14° E.

Position 19° 20' 15" N 122° 16' 15" E

Chart used: No. 4718 Ed'n .....

Drift: Direction S 64° E Distance .....

Depth of Haul from 5.20 to 600 fathm

Apparatus and Rig used 10' Dt. .....

Time towing ..... h. ..... m.

Remarks:

Deck Officer ..... Recorder .....

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.				
M.	Down.		Up.	M.			M.	Down.		Up.	M.
4	32	30	4	46	30	0	4	50	30	[illegible]	[illegible]
4	33	40	4	45	40	100	4	54	00	6	29
4	34	40	4	44	00	200	4	58	10	[illegible]	[illegible]
4	35	4	4	44	0	300	[illegible]	51	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1100					
						1200					
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						4800					
						4900					

Dredge / ~~Hydrog.~~ No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. [illegible] Stem. [illegible]

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. 80° Time 8:00 / 80° Time 9:24 Air [illegible]

Density: Surf. 1.02530 [illegible] fms. [illegible]

Wind: Direction Variable Force 1

Baromet. 29.72 Amt. of Clouds 9 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface / Bottom

Tide [illegible]

General Locality [illegible] St. N 20° E. 39 mi.

No bearings taken

Position [illegible]

Chart used: No. 4718 Ed'n [illegible]

Drift: Direction S 4° W Distance [illegible]

Depth of Haul [illegible]

Apparatus and Rig used 10' inter.

[illegible] Time towing — h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			3200			
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			3600			
			3700			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge / Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot Lead [illegible] lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. 108072 Cor'n Instr. -.25 Stem. -.4

Bottom Reading [illegible] Cor'd Temp. 53.55

Temp. Surf. 81° Time 1:13 p.m. Time [illegible] Air 87°

Density: Surf. [illegible] [illegible] fms. [illegible]

Wind: Direction [illegible] Force [illegible]

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather Fr

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide Kennebecasis St. N 52° W. - 3.5 mi.

General Locality

No bearings taken

Position [illegible]

Chart used: No. [illegible] Ed'n (S. 79° W).

Drift: Direction [illegible] Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

1 trawl

Time towing [illegible] h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1024

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up. M.		M. Down.	Up. M.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		4000		
		4100		
		4200		
		4300		
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		4500		
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		4700		
		4800		
		4900		

Dredge / Hydrog. } No. [illegible] Date, [illegible] 1, 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / head } [illegible] lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample [illegible]

Character of Bottom Gray M

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. [illegible] / Stem. -.37

Bottom Reading [illegible] Cor'd Temp. 62.[illegible]

Temp. Surf. { 81° Time 10.00 / [illegible] Time } Air { 82½°

Density: Surf. 1.02475 Bottom fms. 1.02502

Wind: Direction N. Force 3

Baromet. 29.75 Amt. of Clouds 1 State of Sea 1

Weather bc

Direction and Force of Current. { Surface [illegible] / Bottom [illegible]

Tide [illegible] 14 [illegible]

General Locality [illegible]

Position [illegible] 122° 14' [illegible]

Chart used: No. 4718 Ed'n [illegible]

Drift: Direction [illegible] Distance 6 [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

5" glass floats 1 chain

[illegible] Time towing [illegible] h. [illegible] m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—[illegible]

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
10	17	50	10	23	45	0	10	29	00	11	20	20
						100						
10	19	35	10	22	20	200	10	36	35	11	[illegible]	[illegible]
						300						
						400	10	44	10	11	04	10
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4700						
						4800						
						4900						

Dredge Hydrog. No. [illegible] Date, [illegible], 19

Sd. Mch. [illegible] Reel [illegible] Shot Lead [illegible] lbs.

Turns [illegible] Cor'n Depth [illegible] fms.

Sd. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. -.30 Stem. -.27

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. 82° Time 1:18 P. Time 2:[illegible] P. Air 85°

Density: Surf. 1.024.68 Bottom fms. 1.024.95

Wind: Direction N.W. Force 3

Barometer. [illegible] Amt. of Clouds 2 State of Sea [illegible]

Weather Clr

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

3.3 mi.

General Locality [illegible] 172 [illegible]

Position [illegible] N- [illegible]

Chart used: No. 4718 C.S. Ed'n —

Drift: Direction 270°E Distance 1.0 mi.

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing [illegible] h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—963

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M.	Down.	Up.	M.			M.	Down.	Up.	M.	
1	04	30	1	11	20	0	1	15	2	14	20
	05	40		10	30	100		19	50		09	25
	06	35		09	30	200		23	30		04	50
1	1			10		300		27	20			
						400		30	40		55	30
						500	1	32	40	1	52	40
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. 108023 Cor'n Instr. -.3 Stem. -.26

Bottom Reading 63.[illegible]° Cor'd Temp. 62.94

Temp. Surf. 83° Time [illegible] 62° Time [illegible] Air [illegible] 90°

Density: Surf. [illegible] fms. [illegible]

Wind: Direction North Force 2

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

10.7 [illegible]

General Locality Resurrection Bd. S 90° [illegible] 25'

Position 10°08' 45" [illegible] 122°[illegible]

Chart used: No. CS 4718 Ed'n [illegible]

Drift: Direction [illegible] Distance [illegible]

Depth of Haul bet 240 and 270 fms.

Apparatus and Rig used 10' [illegible]

Time towing [illegible] h. [illegible] m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
4 13	00	4 14	25	0	4 27	00	4 15	00
14	00	14	20	100	27	30	14	20
15	00	13	00	200	27	00	00	00
4 15	00	4 13	00	300	25	00	25	00
				400	4 39	00	4 59	00
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
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				2800				
				2900				
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				3100				
				3200				
				3300				
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				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / Hydrog. No. [illegible] Date. [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot Lead 0 lbs.

Turns 258 Cor'n [illegible] Depth 258 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] No. 105023 } Cor'n { Instr. -.30 Stem. -.27 }

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { [illegible] Time [illegible] / 83 Time [illegible] } Air { [illegible] / 91½ }

Density: Surf. 1.02497 bottom fms. 1.07516

Wind: Direction [illegible] Force 1

Baromet. [illegible] Amt. of Clouds 7 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. { Surface [illegible] Bottom [illegible] }

Tide [illegible]

7.75 mi

General Locality (B) [illegible]

Position [illegible]

Chart used: No. 8 4718 Ed'n [illegible]

Drift: Direction S 88° W Distance .09

Depth of Haul bottom

Apparatus and Rig used [illegible]

Time towing [illegible] h. 20 m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
[illegible]	[illegible]	[illegible]	[illegible]	0	3	10	45	4
2	[illegible]	[illegible]	[illegible]	100	3	[illegible]	[illegible]	[illegible]
2	57	12	2	200	3	16	03	3
2	57	12	2	300	3	[illegible]	[illegible]	[illegible]
				400	3	25	40	3
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / Hydrog. No. 5192 Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns 32 Cor'n [illegible] Depth 32 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. [illegible] Stem. [illegible]

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. 82° Time 9:00 A. Air [illegible]

[illegible] Time [illegible]

Density: Surf. 1.02518 [illegible] fms. [illegible]

Wind: Direction N.E. Force 1

Baromet. 29.80 Amt. of Clouds 6 State of Sea 8

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

3 mi.

General Locality [illegible] N.W.

Position [illegible]

Chart used: No. CS 4718 Ed'n [illegible]

Drift: Direction N.W. Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

[illegible] Time towing [illegible] h. 8 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
9	27 20			0	9	58 30	9	26 30
				100	9	28	9	23 40
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
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				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / Hydrog. No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead 30 lbs.

Turns 71 Cor'n [illegible] Depth 71 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. [illegible] / Stem. [illegible] }

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { 82° Time 11:10 a / Time [illegible] } Air { [illegible] / [illegible] }

Density: Surf. 1.025503 [illegible] fms. [illegible]

Wind: Direction NE Force 2

Baromet. 29.77 Amt. of Clouds 3 State of Sea S

Weather [illegible]

Direction and Force of Current. { Surface [illegible] / Bottom [illegible] }

Tide [illegible] N 1110 E. [illegible]

General Locality [illegible]

Position [illegible] N [illegible]

Chart used: No. CS 4718 Ed'n —

Drift: Direction NNE W Distance 1.3

Depth of Haul bottom

Apparatus and Rig used [illegible]

[illegible] Time towing — h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		M. Down.			Up.		M.
11	02	40	11	03	10	0	11	10	20	11	38	40
11	02	40	11	03	10	71 100		10	20		38	40
						200	11	12		11	02	
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns 148 Cor'n [illegible] Depth 148 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make NK No. [illegible] Cor'n Instr. -.25 Stem. -.37

Bottom Reading 57.1° Cor'd Temp. 56.5

Temp. Surf. 83° Time 2:00 Time [illegible] Air [illegible]

Density: Surf. 1.02447 Bottom fms. 1.02597

Wind: Direction N.W by W. Force 2

Barometer. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible] S.E. & S.W. [illegible]

General Locality [illegible]

Position [illegible]

Chart used: No. [illegible] Ed'n [illegible]

Drift: Direction S [illegible] Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]
No chain

Time towing — h. 20 m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M.	Down.	Up.	M.	M.	Down.	Up.	M.		
			0						
			100						
			200		17	00		37	40
			300		11	40			
			400	21	15	00	2	35	10
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge / Hydrog. No. 5195 Date, 9 Dec 3 , 19[illegible]

Sdg. Mch. ..... Reel ..... Shot / Lead ..... lbs.

Turns Up ..... Cor'n ..... Depth ..... fms.

Sdg. Cup [illegible] , Amt. Bot'm Sample .....

Character of Bottom .....

Thermom. { Make ..... / No. ..... } Cor'n { Instr. / Stem. ..... }

Bottom Reading [illegible] Cor'd Temp.

Temp. Surf. { [illegible] } Time [illegible] / Time ..... } Air } [illegible]

Density: Surf. 1.02[illegible] fms.

Wind: Direction [illegible] Force .....

Baromet. [illegible] Amt. of Clouds 1 State of Sea 8

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide .....

Cohe[illegible] N 11.75[illegible]

General Locality

[illegible]

Position 10 47 [illegible] 124 0[illegible]

Chart used: No. CB 4778 Ed'n .....

Drift: Direction [illegible] Distance 1.5

Depth of Haul Surface

Apparatus and Rig used

Time towing h. [illegible] m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11-3024

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.		2 M. DOWN.		UP.	2 M.		
			0	7	03	00	7	23	30
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
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			4000						
			4100						
			4200						
			4300						
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			4500						
			4600						
			4700						
			4800						
			4900						

Dredge / Hydrog. } No. 5196 Date, [illegible], 19

Sdg. Mch. ..... Reel ..... Shot / Lead } lbs.

Turns 20 Cor'n ..... Depth ..... fms.

Sdg. Cup 0 Amt. Bot'm Sample

Character of Bottom mud

Thermom. { Make ..... / No. ..... } Cor'n { Instr. / Stem. }

Bottom Reading ..... Cor'd Temp. ....

Temp. Surf. { 52° Time 7:42 / 52° Time 8:02 } Air { [illegible] }

Density: Surf. 1.02518 ..... fms.

Wind: Direction variable Force 0-1

Baromet. 29.76 Amt. of Clouds 2 State of Sea 2

Weather clear

Direction and Force of Current. { Surface / Bottom }

Tide

Capitola [illegible] N 55° W 143

General Locality

Position 19° 44' 30" 134° [illegible]

Chart used: No. Ed'n

Drift: Direction ..... Distance .....

Depth of Haul Surface

Apparatus and Rig used

..... Time towing ..... h. [illegible] m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M.	DOWN.	UP.	M.		M.	DOWN.		UP.	M.
			0	7	42	50	8	02	50
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			1500						
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			3900						
			4000						
			4100						
			4200						
			4300						
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			4500						
			4600						
			4700						
			4800						
			4900						

Dredge (Hydrog.) No. [illegible] Date, April 9, 1901

Sdg. Mch. [illegible] Reel [illegible] Shot (Lead) [illegible] lbs.

Turns ..... Cor'n ..... Depth 17 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. 108028 Cor'n Instr. -.25 Stem. -.4

Bottom Reading 55 Cor'd Temp. 54.3

Temp. Surf. [illegible] Time [illegible] Time 9 27 Air [illegible]

Density: Surf. 1.02489 [illegible] fms. 1.02513

Wind: Direction Variable Force 0-1

Barom. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather Fine

Direction and Force of Current. Surface ..... Bottom .....

Tide [illegible]

General Locality [illegible]

Position [illegible] 52-30N-123-40 455

Chart used: No. [illegible] Ed'n

Drift: Direction [illegible] Distance [illegible]

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing ..... h. ..... m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
9	[illegible]	[illegible]	[illegible]	0	8 [illegible]	[illegible]	7 25	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]
				300	8 55	—	9 15	—
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / ~~Hydrog.~~ No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns ..... Cor'n ..... Depth 220 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom. [illegible]

Thermom. { Make [illegible] / No. 1080.23 } Cor'n { Instr. -.25 / Stem. -.40 }

Bottom Reading [illegible] Cor'd Temp. 53.9

Temp. Surf. { 81° } Time [illegible] } Air { [illegible] }
Time

Density: Surf. 1.02434 ..... fms. 1.02500

Wind: Direction N Force 2

Baromet. [illegible] Amt. of Clouds 8 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. { Surface ..... / Bottom }

Tide .....

10.25 mil.

General Locality

[illegible] 4718 [illegible]

Position [illegible] 123-[illegible]-45 [illegible]

Chart used: No. CS 4718 Ed'n [illegible]

Drift: Direction S54° W Distance 1.1

Depth of Haul Bottom

Apparatus and Rig used [illegible]

[illegible] tare [illegible]

Time towing ..... h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
				0				
				100	15	30		
40		06	10	200	19	00	50	30
				300				
				400	11 25	00	11 45	00
				500				
				600				
				700				
				800				
				900				
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				4200				
				4300				
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				4600				
				4700				
				4800				
				4900				

Dredge / ~~Hydrog.~~ No. 5199 Date, [illegible], 19[illegible]

Sdg. Mch. ..... Reel ..... Shot / Leads ..... lbs.

Turns ..... Cor'n ..... Depth ..... fms.

Sdg. Cup ..... Amt. Bot'm Sample .....

Character of Bottom .....

Thermom. { Make ..... / No. ..... } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading ..... Cor'd Temp. .....

Temp. Surf. { 79° Time 7:38 p. / 79° Time 7:57 p. } Air { [illegible] / 83° }

Density: Surf. 102530 fms. .....

Wind: Direction NNE Force 2

Baromet. 29.69 / 6. Amt. of Clouds 0 State of Sea S

Weather .....

Direction and Force of Current. { Surface ..... / Bottom ..... }

Tide .....

[illegible] 63°30'W 6.25 m.

General Locality

Position 9°31'50"N - 12W [illegible]

Chart used: No. CS 4719 Ed'n [illegible]

Drift: Direction East Distance 0.6 m.

Depth of Haul Surface

Apparatus and Rig used 10' Inter. [illegible]; Scoop sinker.

..... Time towing ..... h. 26 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
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			4000			
			4100			
			4200			
			4300			
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			4500			
			4600			
			4700			
			4800			
			4900			

Dredge / ~~Hydrog.~~ No. 5230 Date, [illegible], 1906

Sdg. Mch. Reel Shot / Lead lbs.

Turns No Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make / No. Cor'n Instr. / Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 7.10 Time 7.08 / Time Air 82°

Density: Surf. 1.02468 fms.

Wind: Direction N.E. Force 2

Baromet. Amt. of Clouds 0 State of Sea 0

Weather

Direction and Force of Current. Surface / Bottom

Tide

Position

Chart used: No. US 4719 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

11—1073

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.			Up.		M.
			0	8	0	7.00	7	2.5	4.0
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
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			4000						
			4100						
			4200						
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			4500						
			4600						
			4700						
			4800						
			4900						

Dredge / Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead 30 lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. [illegible] Cor'n Instr. -.25 Stem. -.36

Bottom Reading [illegible] Cor'd Temp. 52.8°

Temp. Surf. 7[illegible]° Time [illegible] 80° Time 9[illegible] Air [illegible] 85°

Density: Surf. 1.02[illegible] [illegible] fms. 1.02897

Wind: Direction [illegible] Force 1

Baromet. [illegible] Amt. of Clouds 8 to 10 State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

14.8 mi.

General Locality [illegible] (3)

Position [illegible]

Chart used: No. 4719 Ed'n [illegible]

Drift: Direction S 24° W Distance 1.5

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

Time towing [illegible] h. 20 m.

Remarks: [illegible]

Time out counted from [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
8	17 00	8 2[illegible]	[illegible]	0	8	35 00	[illegible]	[illegible]
8	19 00	8 2[illegible]	[illegible]	100	8	[illegible]	[illegible]	[illegible]
8	20 10	8 2[illegible]	[illegible]	200	8	[illegible]	[illegible]	[illegible]
8	21 10	8 27	30	300	8	45 30	[illegible]	32 [illegible]
[illegible]	[illegible]	8 26	[illegible]	400	8	[illegible]	[illegible]	[illegible]
[illegible]	22 [illegible]	8 26	[illegible]	500	8	52 00	[illegible]	[illegible]
[illegible]	[illegible]	8 2[illegible]	[illegible]	600	8	[illegible]	[illegible]	[illegible]
				700	8	[illegible]	[illegible]	[illegible]
				800	9	02 30	[illegible]	[illegible]
				900	9	10 10		[illegible]
				1000	[illegible]	[illegible]	[illegible]	[illegible]
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
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				4700				
				4800				
				4900				

Dredge / Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns 502 Cor'n [illegible] Depth 502 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make M.J. / No. 108022 } Cor'n { Instr. [illegible] / Stem. [illegible] }

Bottom Reading See remarks Cor'd Temp. [illegible]

Temp. Surf. { 80° Time 10 45 / 80° Time 11 30 } Air { [illegible] / 79½ }

Density: Surf. 1.02[illegible] [illegible] fms. 1.02467

Wind: Direction N.N.W. Force 1

Baromet. 29.74 Amt. of Clouds 10 State of Sea 2

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide [illegible] at 2d (E) S 2° E. 16.5 mi.

General Locality [illegible] 267° W. [illegible] 14 2 11' Ob.

Position 12° 12' 00 N ; 125° 04' 10" E

Chart used: No. 4719 C.S. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz [illegible]

5 gloves

Time towing h. 20 m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		M. Down.			Up.		M.
10	25	40	10	35	10	0	10	41	30	11	35	35
10	26	50	10	34	20	100	10	45	30	11	50	10
0	37	45	10	33	45	200	10	49	10	11	46	40
10	28	40	10	33	10	300	10	52	45	11	43	10
10	29	30	10	32	20	400	10	56	05	11	39	50
10	30	30	10	31	35	500	10	59	30	11	36	20
10	30	25	10	31	35	600	11	03	20	11	32	20
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4800						
						4900						

Dredge ~~Hydros~~ No. 5203 Date, Apr 10, 1933

Sdg. Mch. Tucson Reel Tucson Shot Lead 30 lbs.

Turns Cor'n Depth 77 fms.

Sdg. Cup Amt. Bot'm Sample 4

Character of Bottom gr. sm.

Thermom. Make N.T. No. 23 Cor'n Instr. -.25 Stem. -.37

Bottom Reading 55.5 Cor'd Temp. 52.9°

Temp. Surf. 80° Time 2:36 P.M. 81° Time 4:00 A.M. Air 82° 82°

Density: Surf. 1.024 68 Bottom fms. 1.026 58

Wind: Direction N Force 2

Barometer Amt. of Clouds 4 State of Sea

Weather Hazy

Direction and Force of Current. Surface Bottom

Tide

5.5 mi.

General Locality Limestone Id. (S), S 38° W Tacoma, Wash.

Position 9° 18' 00" N. 125° 07' 40" E.

Chart used: No. Ed'n

Drift: Direction N 72° W Distance 2.7 mi.

Depth of Haul Bottom

Apparatus and Rig used 1" Young R. chain, 2 wing [illegible] 1 tire [illegible] 5 shoe bed

Time towing h. 31 m.

Remarks: Dredging [illegible] 4:00 A.M. — 7 fms. [illegible] with the [illegible] cable [illegible].

Deck Officer [illegible] Recorder [illegible]

Mr. Wolf

U. S. 1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		P.	M. Down.		Up.	P.	M.
[illegible]	[illegible]		[illegible]	[illegible]		0	2	35	[illegible]	4	[illegible]	[illegible]
[illegible]	00		[illegible]	27	00	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	00	00
16	00		[illegible]	25	30	300	[illegible]	[illegible]	[illegible]	[illegible]	10	10
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	00		[illegible]	23	50	500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	00		[illegible]	23	20	600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	20	50	2	21	50	800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						900	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]
						1000	[illegible]	[illegible]	[illegible]	[illegible]	07	[illegible]
						1100	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]
						1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
						1600						
						1700						
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						2000						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5204 Date, 11 [illegible], 19[illegible]

Sdg. ~~Mch.~~ Lead line Reel ..... Shot / Lead ..... lbs.

Turns ..... Cor'n ..... Depth 1.5 fms.

Sdg. Cup Amt. Bot'm Sample [illegible]

Character of Bottom Sand [illegible]

Thermom. { Make / No. } Cor'n { Instr. / Stem. }

Bottom Reading ..... Cor'd Temp.

Temp. Surf. { [illegible] Time [illegible] / Time } Air { [illegible] / [illegible] }

Density: Surf. 1.02391 ..... fms. ..... —

Wind: Direction E Force 1-2

Baromet. 29.76 Amt. of Clouds 1 State of Sea [illegible]

Weather Rec to opp

Direction and Force of Current. { Surface / Bottom }

Tide .....

3.5 mi.

General Locality [illegible] N. 16° W
[illegible] N 82° E (?)

Position Lat 11° 14' 18" N Long 125° 01' 30" E

Chart used: No. 4423 C & Ed'n .....

Drift: Direction N. 57° [illegible] Distance 1.[illegible]

Depth of Haul bottom

Apparatus and Rig used [illegible]

..... Time towing ..... h. 20 1/2 m.

Remarks: .....

Deck Officer Cassidy Recorder C. E. De Long

(1—1923)

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M.	Down.	Up.	M.		M.	Down.	Up.	M.		
				0	9	46	40	10	10	35
				100	9	48	25	19	09	00.
				200						
				300						
				400						
				500						
				600						
				700						
				800						
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				4900						

Dredge / ~~Hydrog.~~ No. 5205 Date, April 13, 192[illegible]

Sdg. Mch. [illegible] Reel 1 Shot / Lead 14 lbs.

Turns — Cor'n — Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Coral

Thermom. Make [illegible] Cor'n Instr.

No. Stem.

Bottom Reading [illegible] Cor'd Temp.

Temp. Surf. 83 Time 950 A. Air 84

83 Time 1130

Density: Surf. 1.02448 fms. —

Wind: Direction Calm Force 0

Baromet. 29.87 Amt. of Clouds 9 State of Sea 0

Weather

Direction and Force of Current. Surface

Bottom

Tide

Caguayan PI. N 2° E., 7 mi.

General Locality

[illegible]

Position 11° 11' 30" N - 124° 3[illegible]

Chart used: No. 4769 Ed'n

Drift: Direction Dredge Distance —

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 5 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			4800			
			4900			

Dredge / Hydrog. No. [illegible] Date, [illegible], 19

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead [illegible] lbs.

Turns Cor'n Depth 32 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] / No. [illegible} Cor'n { Instr. / Stem.

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { [illegible] / 83° } Time [illegible] / Time 101229 } Air { [illegible] / 83

Density: Surf. 1.02406 fms. —

Wind: Direction NW Force 0-1

Baromet. [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather Very [illegible]

Direction and Force of Current. { Surface / Bottom

Tide [illegible]

5.75 mi.

General Locality [illegible]

Position [illegible]

Chart used: No. CS 4420 Ed'n [illegible]

Drift: Direction N 180° W Distance 7

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

Time towing [illegible] h. [illegible] m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
	9 56		0	9 10		
	9 5[illegible]		100	10 02		
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			4000			
			4100			
			4200			
			4300			
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			4700			
			4800			
			4900			

Dredge / ~~Hydrog.~~ No. [illegible] Date, [illegible] 14, 1937

Sdg. Mch. [illegible] Reel [illegible] ~~Sinal~~ Lead [illegible] lbs.

Turns [illegible] Cor'n [illegible] Depth [illegible] fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. { Make [illegible] / No. [illegible] } Cor'n { Instr. / Stem. }

Bottom Reading [illegible] Cor'd Temp. [illegible]

Temp. Surf. { 84° Time 11:30 A / 84° Time 11:50 A } Air { 86° / 85° }

Density: Surf. 1.02395 [illegible] fms. [illegible]

Wind: Direction calm Force 0

Barometer [illegible] Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. { Surface / Bottom [illegible] }

Tide [illegible]

4.7 mi.

General Locality [illegible]

Position [illegible]

Chart used: No. C84420 Ed'n [illegible]

Drift: Direction N 16° E Distance [illegible]

Depth of Haul bottom

Apparatus and Rig used [illegible]

Time towing [illegible] h. 15 m.

Remarks:

Deck Officer Mr. Matters Recorder [illegible]

11—1923

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up. M.		M. Down.	Up. M.
[illegible]	[illegible]	0	[illegible]	[illegible]
[illegible]	[illegible]	100	[illegible]	[illegible]
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		4800		
		4900		

Dredge / Hydrog. No. 5208. Date, 14 [illegible], 1907.

Sdg. Mch. [illegible] Reel [illegible] Shot (Shot Lead) 25 lbs.

Turns 26 Cor'n — Depth 26 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom Sft. [illegible]

Thermom. { Make / No. } None used. Cor'n { Instr. — / Stem. — }

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 9.4° Time 1:00 p.m. / 8.4° Time 1:20 p.m. } Air { 8.4° / 8.4° }

Density: Surf. 1.02483 fms.

Wind: Direction WSW Force 1-2

Barometer. 29.7 Amt. of Clouds 8 State of Sea C

Weather [illegible]

Direction and Force of Current. { Surface / Bottom }

Tide

40 mi

General Locality Near Cattlegrounds, Estuary Cavanigrinnao I (C), N to E - Tarantum I (C).

Position 11° 45' N - 124° 02' 50" E.

Chart used: No. C.C. 4451 Ed'n

Drift: Direction N 27° E. Distance 0.6 m.

Depth of Haul Bottom.

Apparatus and Rig used [illegible]

Time towing — h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.					
M. Down.	Up. M.		M. Down.		Up. M.			
12 3 12 54 35		0	12	57	10	1	22	30
		26 100	12	59	15	1	19	30
		200						
		300						
		400						
		500						
		600						
		700						
		800						
		900						
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Dredge / ~~Hydrog.~~ } No. 5-09. Date, 14 [illegible], 1908

Sdg. Mch. [illegible] Reel [illegible] Chunk / ~~Shot~~ } Lead } 25 lbs.

Turns 20 Cor'n — Depth 20 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom gr. M.

Thermom. { Make / No. } None used. Cor'n { Instr. — / Stem. —

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 84° / 84° } Time 2:10 p / Time 2:35 } Air { 81° / 81°

Density: Surf. 1.[illegible] fms. —

Wind: Direction [illegible] Force 3

Baromet. 29.69 Amt. of Clouds 8 State of Sea 8

Weather [illegible]

Direction and Force of Current. { Surface / Bottom

Tide

Taratara Id. (N) S 53° W 1.8 mi.

General Locality Near Cavanigrancos [illegible]

Position [illegible] 95" - 12.[illegible] 08

Chart used: No. C.S. [illegible] Ed'n —

Drift: Direction S 28° E. Distance [illegible]

Depth of Haul Bottom.

Apparatus and Rig used [illegible]

Time towing — h. 20 m.

Remarks: [illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
2.	02	12	2	03 50	0	2	10 30	2 26 30
2.	02	25	2	02 25	100	2	12 50	2 32 50
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
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				4700				
				4800				
				4900				

Dredge / Hydrog. No. [illegible] Date, [illegible], 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead lbs.

Turns 50 Cor'n [illegible] Depth 60 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom Lne. g.y. S.

Thermom. Make [illegible] No. [illegible] Cor'n Instr. -.42 Stem. -.11

Bottom Reading [illegible] Cor'd Temp. 76.3°

Temp. Surf. 84° Time [illegible] Time [illegible] Air [illegible]

Density: Surf. 1.02406 fms. 1.02523

Wind: Direction E. Force 1

Baromet. [illegible] Amt. of Clouds 1 State of Sea 2

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

General Locality [illegible] 3.6 mi. [illegible] 24(E.W) N. 1° [illegible] 24(E.W) N. 42° W

Position 11° [illegible] 53" N 134-[illegible] E.

Chart used: No. 4420 Ed'n [illegible]

Drift: Direction N. 1° W. Distance .2

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

Time towing [illegible] h. 11 m.

Remarks: [illegible]

1.20 [illegible] 20

Deck Officer [illegible] Recorder [illegible]

11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
Q M.	Down.		Up.	Q M.			Q M.	Down.		Up.	Q M.	
10	17	10	10	18	00	0	10	23	20	10	58	00
10	17	10	10	18	00	~~100~~ ~~200~~ 60	10	30	00	10	41	00
						300						
						400						
						500						
						600						
						700						
						800						
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						4100						
						4200						
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						4900						

Dredge / Hydrog. No. 5311 Date, April 17, 19[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot (heavy) [illegible] lbs.

Turns — Cor'n — Depth 155 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom [illegible]

Thermom. Make [illegible] No. 108023 Cor'n Instr. -.3 Stem. -.45

Bottom Reading 57.3 Cor'd Temp. 56.6°

Temp. Surf. 58° Time 11:[illegible] 84 Time 1:55 P Air [illegible]

Density: Surf. 1.02482 fms. 1.02509

Wind: Direction N.E. Force 1

Baromet. 29.72 Amt. of Clouds [illegible] State of Sea [illegible]

Weather [illegible]

Direction and Force of Current. Surface [illegible] Bottom [illegible]

Tide [illegible]

5.75 mi.

General Locality [illegible]

Position [illegible]

Chart used: No. CS 4715 Ed'n [illegible]

Drift: Direction [illegible] Distance [illegible]

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

Time towing — h. 20 m.

Remarks:

[illegible]

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
	M.	Down.		Up.	M.			M.	Down.		Up.	M.
1	[illegible]	[illegible]	1	[illegible]	[illegible]	0	1	[illegible]	[illegible]	1	[illegible]	[illegible]
	04	00		06	10	100		15	30		45	10
1	04	40	1	05	40	155 200	1	20	00	1	40	00
						300						
						400						
						500						
						600						
						700						
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						4900						

Dredge ~~Hydrog~~ No. [illegible] Date, 20 [illegible], 19 0[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot ~~Lead~~ 35 lbs.

Turns 108 Cor'n — Depth 108 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample 4 oz.

Character of Bottom Gy. S.V.

Thermom. Make [illegible] No. 108023 Cor'n Instr. -.3 Stem. -.34

Bottom Reading [illegible] Cor'd Temp. 59.9

Temp. Surf. 80° 80° Time 8:37 a Time 9:00 a Air 82° 82°

Density: Surf. 1.02467 fms. 1.02476

Wind: Direction Calm Force 0

Baromet. 29.80 Amt. of Clouds 2 State of Sea S

Weather Cu

Direction and Force of Current. Surface Bottom

Tide

General Locality Bet. Wasatch and Cameron 12.9 mi.

Position 12° 04' 15" N - 124° 04' 35" W. Destacado I. (W) N 30° - Madrilejo Id. (W) N 83 E

Chart used: No. C.S. 4715 Ed'n —

Drift: Direction N 21° W Distance 0.9 m.

Depth of Haul [illegible]

Apparatus and Rig used [illegible]

Time towing — h. 20 m.

Remarks: [illegible] 180 fms. were out.

Deck Officer [illegible] Recorder [illegible]

11-1024

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.		Up.	M.		M. Down.		Up.	M.		
8	37	10	8	31 00	0	8	34	45	9	11 00
	37				100		38	45		06 30
8	20	15	9	5 15	108 200	8	41	30		
					300		44	50	9	5 50
					400					
					500					
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					4900					

Dredge / Hydros. No. [illegible] Date, 20 [illegible], 190[illegible]

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead 25 lbs.

Turns 81 Cor'n 80=79 Depth 80 fms.

Sdg. Cup [illegible] Amt. Bot'm Sample [illegible]

Character of Bottom S M S R

Thermom. Make / No. none used Cor'n Instr. — Stem. —

Bottom Reading — Cor'd Temp. —

Temp. Surf. 81° / 81 Time 10:42a / Time 11:12a Air 82° / 82

Density: Surf. 1.02489 fms.

Wind: Direction N E Force 1

Barometer. 29.80 Amt. of Clouds 3 State of Sea S

Weather Fog

Direction and Force of Current. Surface / Bottom

Tide [illegible] 2.2(N) N 47° E; 8.5 mi

General Locality Bet. Pescadero & Ano Nuevo; San Francisco (W), N 18° E - Farallon I. (W)

Position 122°10'-122°5'30" [illegible] N 81 W

Chart used: No. C.S. 4715 Ed'n —

Drift: Direction N 22 W Distance 8 m.

Depth of Haul Bottom

Apparatus and Rig used [illegible]

Time towing — h. 20 m.

Remarks:

Deck Officer [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
10 27	15	10 29	20	0	10 47	15 11	10	15
10 28	15	10 38	15 81	100		15 10		09 25
				200	10 47	15 11	09	30
				300				
				400				
				500				
				600				
				700				
				800				
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				4900				

Dred'g ~~Hydrog.~~ No. [illegible] Date, 2/ [illegible] 19 05

Sdg. Mch. [illegible] Reel [illegible] Shot ~~Lead~~ lbs.

Turns 214 Cor'n [illegible] Depth 218 fms.

Sdg. Cup Zigabee Amt. Bot'm Sample 4 oz.

Character of Bottom on M

Thermom. { Make M 3 / No. 108023 } Cor'n { Instr. -.25 / Stem. -.42 }

Bottom Reading 52.1° Cor'd Temp. 51.4°

Temp. Surf. { 82° Time 9:10 a. / 81° Time 9:40 } Air { 81° / 81¼° }

Density: Surf. 1.02475 fms. 1.02485

Wind: Direction Calm Force 0

Baromet. 29.79 Amt. of Clouds / State of Sea

Weather Fc.

Direction and Force of Current. { Surface / Bottom }

Tide

2.6 mi.

General Locality /

Position [illegible] 125° 37 [illegible]E

Chart used: No. [illegible] Ed'n

Drift: Direction N 36° E. Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used /

Time towing [illegible] h. 20 m.

Remarks:

Deck Officer W. [illegible] Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.		Up.		B. M.			A. M. Down.		Up.		B. M.	
						0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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Dredge / Hydrog. No. 5815 Date, Apr. 21, 1908

Sdg. Mch. Lucas Reel Lucas Shot / Lead 35 lbs.

Turns 6.04 Cor'n — Depth 6.04 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 3 oz.

Character of Bottom gray M.

Thermom. Make M.G. No. 108023 Cor'n Instr. -.25 Stem. -.41

Bottom Reading 57.2 Cor'd Temp. 50.5

Temp. Surf. 81° Time 11 25 / 82° Time 11 53 Air 82° / 82½°

Density: Surf. 1.02440 fms. 1.02441

Wind: Direction Force 0

Baromet. 29.76 Amt. of Clouds 1 State of Sea 2

Weather Cle.

Direction and Force of Current. Surface Bottom

Tide

General Locality Palauog St. S 5°30' E., 8.75 mi. Catbalogan Pt W Pandan Pt (Tinoo) N5½W between Marabut and Tinoo

Position 12-31-30 N - 123-35-24 E.

Chart used: No. 4715 C & Ed'n —

Drift: Direction S77°E Distance 1.2

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing h. 20 m.

Remarks: Sketch broken so could not record times at sounding

Deck Officer Mr. Cassidy Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	Down.		Up.	A M.			---- M.	Down.		Up.	---- M.	
10	20	15				0	11	03	45	12	20	10
						100	11	07	45		17	02
						200	11	11	20		13	50
						300	11	14	55		10	20
						400	11	18	00		06	45
						500	11	21	30	12	03	20
						600	11	25	00		59	40
						604 700	11	28	15		56	20
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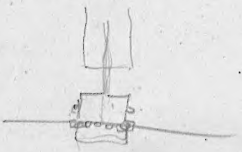

$$\begin{array}{r} 180 \\ 78 \\ \hline 52 \end{array}$$